Kaijuan Xing

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EDUCATION

The University of Texas at Austin Austin, TX
Master of Science, Information Studies, GPA 3.9 May 2018

China University of Petroleum Beijing, China
Bachelor of Management, Information Management & Information Systems, GPA 3.6 June 2016

SKILLS

- **Languages:** Python**,** Java, C#, R, JavaScript, HTML, CSS
- **Database:** SQL, MySQL, Postgres, SqlLite, MongoDB
- **Frameworks and Tools:** Flask, Django, Bootstrap, jQuery, RESTful API, ASP.net, Jenkins, Docker, Kubernetes, Eco, Travis CI, Heroku, Swagger UI, Git, Bitbucket, AWS, BlueMix, UML, Linux OS, Shell

EXPERIENCE

AT&T Austin, TX
Big Data Intern Sep 2017- present

- Developed chatbot dashboard for internal usage analysis using jQuery, chart.js, applied WebPhone Profile API to retrieve profile data and visualize analysis using plotly.py
- Built unsupervised machine learning model to group bot functions by generating features from natural language text input in chatbot registration metadata using tf-idf, word2vec algorithms and FastText model
- Visualized k-means clustering and hierarchical clustering results

Software Development Intern Jun-Aug, 2017

- Developed chatbots embedded in company internal instant messaging application (Q) in Python using SDKs from Amazon Lex, IBM Watson and Common Machine Learning Platform
- Built server on API Gateway using AWS Lambda to enable connection between Q and Lex API
- Developed Django program to train Natural Language Processing (NLP) models applying CMLP microServices
- Deployed production pipeline using Jenkins to create docker containers hosted on Kubernetes
- Worked in an agile environment, provide daily scrum meeting input through a scrum chatbot

LianyuYitong Science and Technology Co., Ltd. Beijing, China
Game Programming and Test Intern Aug-Sep, 2015

- Tested users' gaming experience using the company's acceleration product and reported to the development team
- Coded test scripts using TCP PING & In-game Perception method to improve and validate user experience

PROJECTS

Online Book Sharing Web Development Austin,TX
Back End Development Sep-Nov, 2017

- Developed a book/author/publisher information searching web application hosted on Google Cloud Platform using Flask
- Processed raw JSON data to Postgres database using Flask Sqlalchemy
- Programmed unit tests to test database models and deployed on Travis CI

Fashion Preference Collection Web Development Austin, TX
Full Stack Development Feb-Apr, 2016

- Implemented a crowdsourcing web application to collect user personal fashion taste in HTML, CSS, JavaScript using Bootstrap and jQuery AJAX to asynchronously update web page.
- Developed server using Flask connected with MySql to receive and store user fashion preference data and send back to user

Handwritten Health-related Images Classification Austin, TX
Front End Development Sep-Dec, 2016

- Constructed a web application in JavaScript to support handwritten word images filtered by file size, allowing users to add image labels to MongoDB and group image labels
- Compared unsupervised machine learning algorithms with our image processing algorithms to group images that contain similar word information

Data Mining and Analysis of Answer Ranking Beijing, China
Web Crawling and Big Data Analysis Feb-May, 2016

- Implemented WebCrawler application by Java to extract metadata information about question/questioner, answer/answerer for Chinese Equivalent Quora and pre-processed data for generating features to predict answer quality
- Trained model using Logistic Regression to test answer rating at open question/answer community